

Converting Colors

XYZ(41.5018, 21.4096, 3.1722)

Have a look what the booklet for
XYZ(41.5018, 21.4096, 3.1722)
contains.

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Color

**XYZ(41.5069, 21.4189,
3.1749)**

Conversions

Conversions Part 1

Format	Color
Hex	FF031E
RGB	255, 3, 30
RGB Percent	100%, 1%, 12%
CMY	0.0000, 0.9879, 0.8824
CMYK	0.00, 0.99, 0.88, 0.00
HSL	354°, 100%, 51%
HSV	354°, 99%, 100%
XYZ	41.5069, 21.4189, 3.1749
YIQ	81.4260, 141.5250, 61.8210

Conversions

Conversions Part 2

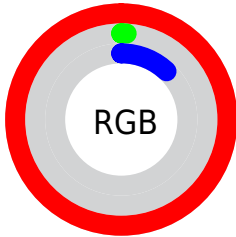
Format	Color
RYB	255, 3, 30
Decimal	16712478
CIELab	53.40, 80.18, 58.11
CIELCh	53, 99.023, 35.929
Yxy	21.4189, 0.6279, 0.3240
Android (android.graphics.Color)	4294902558 (0xFFFF031E)
YUV	81.4260, -25.3530, 152.2244
Hunter-Lab	46.2806, 79.0975, 28.3290

Details

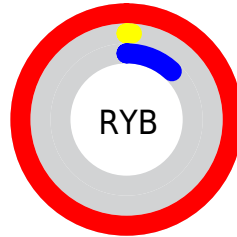
The XYZ color **41.5069, 21.4189, 3.1749** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **49.8118, 77.1446, 85.7163**, and the grayscale version is **7.9427, 8.3563, 9.1000**.

A 20% lighter version of the original color is **46.8898, 30.3594, 10.5963**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4404, 21.3401, 2.9874**, and if you desaturate by 10%, it is **42.3061, 22.3728, 5.4297**.

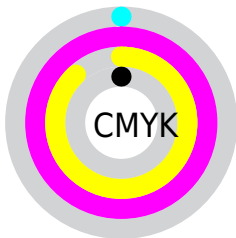
Distribution



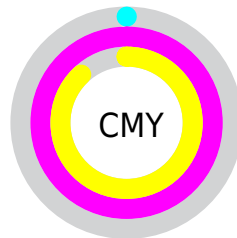
- Red (100%)
- Green (1%)
- Blue (12%)



- Red (100%)
- Yellow (1%)
- Blue (12%)



- Cyan (0%)
- Magenta (99%)
- Yellow (88%)
- Black (0%)





- Cyan (0%)
- Magenta (99%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5069, 21.4189, 3.1749 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.5069, 21.4189, 3.1749 by changing the saturation by 10% instead.


 41.5069, 21.4189,
3.1749


 41.5069, 21.4189,
3.1749

343.4613,
259.4964, 138.5580

 28.9048, 13.4305,
1.1846


 76.7226, 45.7837,
12.0570

 19.1527, 7.7257,
0.0000


 100.0670, 62.9289,
19.7860

 11.8854, 3.9199,
0.0000


 127.7228, 83.8951,
30.2649

 6.7373, 1.6289,
0.0000

 160.0555,
109.0669, 43.9123

 3.3432, 0.3769,
0.0000

 197.4303,
138.8285, 61.1468


 1.3378, 0.0000,
0.0000

 240.2126,


 0.2112, 0.0000,


173.5643, 82.3869


0.0000


 288.7678,
213.6589, 108.0511


 0.0000, 0.0000,
0.0000


 41.5069, 21.4189,
3.1749


 41.5069, 21.4189,
3.1749


 41.4404, 21.3401,
2.9874

 42.3061, 22.3728,
5.4297

 43.8511, 24.4206,
9.1580

 46.2971, 27.8228,
14.5658

 49.7559, 32.7608,
21.8217

 54.3230, 39.3877,
31.0739

60.0828, 47.8383,
42.4552

67.1114, 58.2335,
56.0872

75.4785, 70.6841,
72.0820

85.2488, 85.2925,
90.5444

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8121, 21.4189, 17.8373



41.5069, 21.4189, 3.1749



29.7664, 21.4189, 0.1164

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.5069, 21.4189, 3.1749



6.9166, 21.4189, 6.7811



22.5186, 21.4189, 141.3105

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.5069, 21.4189, 3.1749



49.8118, 77.1446, 85.7163

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.1759, 21.4189, 126.1820



41.5069, 21.4189, 3.1749



6.1440, 21.4189, 29.8283

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.5069, 21.4189, 3.1749



10.6505, 21.4189, 0.8316



7.9840, 21.4189, 76.4608



34.6736, 21.4189, 108.6320

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5069, 21.4189, 3.1749



21.8270, 21.4189, 0.0000



7.9840, 21.4189, 76.4608



18.9565, 21.4189, 141.8553

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.5074, 21.4203, 3.1752



66.1951, 56.8742, 54.3214



49.3244, 23.3921, 96.5223



13.5145, 11.2050, 10.3619



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5074, 21.4203, 3.1752



41.4408, 21.3403, 2.9874



45.7797, 30.3130, 3.5264



18.0883, 18.0186, 19.0820



21.6790, 11.1609, 1.6943



2.1355, 1.0966, 0.2948

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.5074, 21.4203, 3.1752



41.4408, 21.3403, 2.9874



30.3883, 31.8396, 99.1509



18.0883, 18.0186, 19.0820



21.6790, 11.1609, 1.6943



2.1355, 1.0966, 0.2948

Previews

White Background



This preview shows how the XYZ color 41.5069, 21.4189, 3.1749 looks on a white background.

Color Contrast Check

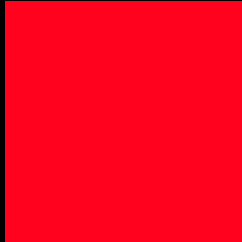
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.5069, 21.4189, 3.1749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5069, 21.4189, 3.1749

Background



This preview shows how black text looks on a background with the XYZ color 41.5069, 21.4189, 3.1749.



This preview shows how white text looks on a background with the XYZ color 41.5069, 21.4189,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.5069, 21.4189, 3.1749

Protanopia

19.8206, 21.7972, 6.5308

Tritanopia

40.8144, 21.4954, 1.9979

Trichromacy



Original Color

41.5069, 21.4189, 3.1749

Protanomaly

23.3341, 16.5663, 4.4504

Tritanomaly

41.1187, 21.4656, 2.2927

Monochromacy



Original Color

41.5069, 21.4189, 3.1749

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.6442, 8.8233, 5.5414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5069, 21.4189, 3.1749 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 3, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 30)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 3, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 30) }
```

Border

The CSS property to change the border of an element to XYZ 41.5069, 21.4189, 3.1749 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 3, 30) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 3, 30) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 3, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 3, 30)  
}
```


Background

The CSS property to change the background color of an element to XYZ 41.5069, 21.4189, 3.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 30) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 3,  
30) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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